

Contents of *Animal Feed Science and Technology*, Volume 71

VOL. 71 NOS. 1–2

31 MARCH 1998

Comparison between pigs and poultry in the prediction of the dietary energy value of fats J. Wiseman, J. Powles and F. Salvador (Leics, UK)	1
Physical and nutritional properties of moist fermented fish silage pellets as a protein supplement for tilapia (<i>Oreochromis niloticus</i>) O.A. Fagbenro and K. Jauncey (Stirling, UK).	11
Effects of various processes of fractionation, grinding and storage of peas on the digestibility of pea starch in chickens B. Carré (Nouzilly, France), J.P. Melcion (Nantes, France), J.L. Widiez (Surgères, France) and P. Biot (Warcoing, Belgium)	19
Effects of dietary oligosaccharides on the growth performance and faecal characteristics of young growing pigs J.G.M. Houdijk, M.W. Bosch, M.W.A. Verstegen and H.J. Berenpas (Wageningen, The Netherlands)	35
Effect of the addition of <i>Peptostreptococcus productus</i> ATCC 35244 on reductive acetogenesis in the ruminal ecosystem after inhibition of methanogenesis by cell-free supernatant of <i>Lactobacillus plantarum</i> 80 L. Nollet, L. Mbanzamihigo, D. Demeyer and W. Verstraete (Gent, Belgium)	49
In situ degradation of feed purines D.S. Djouvinov (Stara Zagora, Bulgaria), Y. Nakashima (Morioka, Japan), N. Todorov and D. Pavlov (Stara Zagora, Bulgaria)	67
Effect of dietary protein level on performance of early-weaned double-musled calves L.O. Fiems, B.G. Cottyn, S. De Campeneere and C.V. Boucquē (Melle-Gontrode, Belgium)	79
Effect of micronization of full-fat canola seed on performance and carcass characteristics of growing-finishing pigs P.A. Thacker (Saskatchewan, Canada)	89
Effect of ruminal exposure and subsequent microbial contamination on dry matter and protein degradability of various feedstuffs A.N. Alexandrov (Kostinbrod, Bulgaria)	99
Comparison of protein digestibility of rumen undegraded protein estimated by an enzymatic and mobile bag method: feeds for ruminants and anaerobic fungus J. Kopečný, O. Tománková and P. Homolka (Prague, Czech Republic)	109
Potential of various fatty feeds to reduce methane release from rumen fermentation in vitro (Rusitec) A. Machmüller, D.A. Ossowski, M. Wanner and M. Kreuzer (Zurich, Switzerland)	117
The effect of nitrogen source and concentration on in vitro gas production using rumen micro-organisms N. Dryhurst (Ashford, UK) and C.D. Wood (Chatham Maritime, UK).	131
Intake and digestion by Holstein steers consuming different particle size fractions of broiler litter J.E. Rossi (Fayetteville, AR, USA), A.L. Goetsch (Booneville, AR, USA) and D.L. Galloway, Sr. (Fayetteville, AR, USA)	145

Responses of growing broilers and laying hens to the dietary inclusion of leaf meal from <i>Alchornea cordifolia</i> A.B.I. Udedibie and C.C. Opara (Owerri, Nigeria)	157
In situ dry matter, crude protein, and starch degradabilities of selected grains and by-product feeds K.K. Batajoo and R.D. Shaver (Madison, WI, USA)	165
Effect of protease treatment of soybean meal on content of total soluble matter and crude protein and level of soybean trypsin inhibitors W.R. Caine (Wageningen, Netherlands; Alberta, Canada), M.W.A. Verstegen (Wageningen, Netherlands), W.C. Sauer (Alberta, Canada), S. Tamminga (Wageningen, Netherlands) and H. Schulze (Wilshire, UK)	177
Effect of replacing dried brewer's grain with 'sorghum rootlets' on growth, nutrient utilisation and some blood constituents in the rat K.G. Aning, A.G. Ologun (Akure, Nigeria), A. Onifade (Ibadan, Nigeria), J.A. Alokun, A.I. Adekola and V.A. Aletor (Akure, Nigeria)	185
The response of weaner pigs to diets containing palm oil slurry A.O. Fanimo (Abeokuta, Nigeria) and H.A. Fashina-Bombata (Ojo, Nigeria)	191
Different combinations of formic, propionic and benzoic acids in slaughter offal preservation for feeding to fur animals I. Pölönen (Helsinki, Finland), V. Toivonen (Jokioinen, Finland) and J. Mäkelä (Vantaa, Finland)	197

Publisher's Acknowledgement	203
--	-----

Announcement	205
-------------------------------	-----

VOL. 71 NOS. 3-4

APRIL 1998

Use of ratio of digested xylan to digested cellulose (X/C) as an index of fiber digestion in plant cell-wall material by ruminal microorganisms H. Matsui, K. Ushida, K. Miyazaki and Y. Kojima (Kyoto, Japan)	207
Growth performance and carcass composition of broilers fed supplemental chromium from chromium yeast S.M. Hossain, S.L. Barreto and C.G. Silva (Belo Horizonte, Brazil)	217
Ensiling and nutritive value of kenaf (<i>Hibiscus cannabinus</i>) G. Xiccato, A. Trocino and A. Carazzolo (Padova, Italy)	229
Ensiling salt-preserved shrimp waste with grass straw and molasses D.J. Evers and D.J. Carroll (Corvallis, OR, USA)	241
Models of suppressive effect of tannins. Analysis of the suppressive effect of tannins on ruminal degradation by compartmental models Y. Aharoni (Haifa, Israel), N. Gilboa and N. Silanikove (Bet Dagan, Israel)	251
Quantification and chemical composition of mixed bacteria harvested from solid fractions of rumen digesta: effect of detachment procedure S.M. Martín-Orúe, J. Balcells, F. Zakraoui and C. Castrillo (Zaragoza, Spain)	269
Effects of lipids and processing conditions on lipid oxidation of extruded dry pet food during storage S. Lin, F. Hsieh and H.E. Huff (Columbia, MO, USA)	283
Nutritional risk factors in <i>Setaria anceps</i> for milk fever incidence in dairy herds of the humid tropics J.M.I. Sánchez, H. Soto and E. Vargas (San José, Costa Rica)	295
Effect of varying manganese and available phosphorus levels in the diet on egg production and eggshell quality of layers S.M. Hossain (Belo Horizonte, Brazil) and A.G. Bertechini (Lavras, Brazil)	303
Characterization of forages by differential scanning calorimetry and prediction of their chemical composition and nutritive value J. Walshaw, G.W. Mathison, T.F. Fenton, G. Sedgwick, H. Hsu, G. Recinos-Díaz and A. Suleiman (Edmonton, Alb., Canada)	309

Effects of intake of a mixed diet and time postfeeding on amount and fibre composition of ruminal and faecal particles and on digesta passage from the reticulo-rumen of steers P.L. Kovács, K.-H. Südekum and M. Stangassinger (Kiel, Germany)	325
Studies on the nutritive value of full-fat sunflower seed in broiler chick diets M.L. Rodríguez, L.T. Ortiz, J. Treviño, A. Rebolé, C. Alzueta and C. Centeno (Madrid, Spain) . . .	341
Nitrogen fractions and in sacco dry matter and crude protein degradability of fresh and frozen alfalfa A.N. Hristov (Kostinbrod, Bulgaria).	351
Short Communications	
The biodegradation of wheat straw by <i>Pleurotus ostreatus</i> mushrooms and its use in cattle feeding M. Adamović, G. Grubić, I. Milenković, R. Jovanović, R. Protić, L. Sretenović and Lj. Stoićević (Belgrade, Yugoslavia).	357
Effects of varying levels of magnesium and available phosphorus on performance of layers S.M. Hossain (Belo Horizonte, Brazil) and A.G. Bertechini (Lavras, Brazil)	363
The additivity of TME _d values of various ingredients in a complete diet for ostriches and adult roosters S.C. Cilliers (Oudtshoorn, South Africa), J.P. Hayes, J. Sales (Stellenbosch, South Africa), A. Chwalibog (Frederiksberg, Denmark) and J.J. Du Preez (Stellenbosch, South Africa)	369
Book Reviews	
Non Conventional Feedstuffs (Unkonventionelle Futtermittel)	375
Reproduction in Poultry	376
Erratum	379
Announcement	381
Contents of <i>Animal Feed Science and Technology</i>, Volume 71	383